

Collection No. 202

K. H. L. Key



OLYMPIC

Meipa & Cooktown areas, Qld.

GLAMIS

2 - 14 . v . 1981

DUPLICATE

CARBON BOOK

(Octavo Size)

100 Leaves in Duplicate

NUMBERED

Flexiflat

THERMO-PLASTIC BOUND

Co the firm 100.502

Ken E. Ken

[illegible]

2/5 Collected on dunecliffs, etc. - ^{Albiaptes} ~~H. kel~~
in immediate surroundings. (Weipa)

12533.7. Near Kern Point. Mesoc. line.
 forest with *Leucodonta* & bloodwoods, ^{to 40ft} tall.
 grass to 3ft & lower species. See *Erythrophloe*
 patches of *Pandanus*.

556. Longwing Point. Enc. spp., *Hakea*
arborescens, *Leucophaea*, *Pycnostrophia* etc.
sp. *Canadensis* sp. & other trees, on
moorland forest type. Mixed grasses 1ft to
6ft & *Themeda* sp. to 3ft in patches.

Return.

543.6 Hotel.

3/5

547.9 R.O. (approx.)

559.2 Airport.

560.3. Level, with brown soil & patches
of *Quercus*, *Colubia*, *Althia* sp. 2.
E. tepodonto & bloodwood to 70 ft
occ. *Erythrophloeum*, much regrowth of
to 10 to 4 ft. various shrublets & forbs
some trailing to 3 ft. mixed grasses 2-
6 ft. *Stenactantops angustifrons* & 3
in *Stenactantops* occ. Return

569.7. Coarsest mangrove equipment used
Turned off into forest.

565.7. Very slight rise with ground. E.
tetradonta to bloodwood to 90 ft, with
Acacia sp. + ? beechwood to 15 ft, dense grass
+ *Psychotria venusta* (K. Br.) Stapf + *Sorghum*
to 4 ft + 8 ft, see forbs. *Morabina* or
grass (9 sample). ? *plumosum* (K. Br.) Beauv.

573.7. Hotel. Collected up to c. 500 m
ENE of hotel. E. *tetradonta* with
patches of closed forest elements, low-lying
swampy areas with *Zizania* + *Cyperus*
+ mangroves lining sea. *Morabina*
+ *Alphitonia excelsa* (first specimen) sent
on. ? *Alphitonia excelsa*, regrowth to 10 ft
also on a *Planchonina carepa*. *Tetrigids* on
silt sand among low mangroves to 4 ft
4/5.

12581.14 Southern end of bridge to Andoom

587.2. Bridge over Andoom CK. Return

588.0. Salt flat in front of mangroves
marginal creek. Scattered samphire,
? *Zizania* to 1 ft, scattered mangroves
other low grasses.

589.3 E. *Leptodermis* to 8 ft on top and
~~flat~~ generally flat. with *Arisa* sp., *Alphitonia*,
Planchonia ~~capitata~~ *capitata* to 20 ft.

grasses to 8 ft; margins cleared & built up
 with mixed grasses & forbs to 2 ft. Can. fr.

590.6. To the same swampy flat - bordering
Leptodermis, *Tigatibacillata*, *Gnarus* no. 57 sp.,
Metelasma ca. 3 ft to 30 ft open mud
 and some other minor, *Heliothrix* *brunnea*,
 large patches of various grasses 1-5 ft.

manis sedges to 2 ft. a large patch of
Anthracanemum to 2 ft (new genus on this)

Tigatia mainly on sedges, *Gnarus* on
 succulent-type sedges at water's edge.

591.8. Northern ~~side~~ end of bridge.

597.4. Hotel.

11502 Hotel depart.

11566.8 Return (Horse Ck.)

573.9. Sandy, undulating, with brown sand
Leptodermis, *Tigatibacillata*, *Gnarus* no. 57 sp.,
 abundant granules. E. *Leptodermis* to
 10 ft, *Tigatibacillata* 10 ft, *Gnarus* 10 ft, *Heliothrix* 10 ft,
Leptodermis 10 ft, *Tigatibacillata* 10 ft, *Gnarus* 10 ft,
Leptodermis 10 ft, *Tigatibacillata* 10 ft, *Gnarus* 10 ft,
 all 50-60 ft, *Metelasma* sp. to 30 ft.

Tigatibacillata spp (2) to 20 ft, *Leptodermis*
 sp. abundant to 5 ft. mixed grasses

1-1/2 ft. scattered forbs, some stems of bare ground.

575.9. Gently undulating & a steep slope
with *metastasis*, *Pinus* sp. 1242, *oak*
with *latente* rocks. *Tetradonta* & *polyantha*
var. p. pambanus (?)
to 30 ft. scattered *Arceuthobium* sp. & *Engelm. p. pambanus*
with to 20 ft. *Planchonia* to 8 ft. ground

2-8 ft. mixed forbs.

589.7 Mammoth Ck. (Crossing from east.)

5/5

12607.0 Hotel.

616.8. Left airport road on lower road.

625.6. Very slight broad depression with few
small shrubs, *Pseudotsuga* sp. 1242, *oak*
very mobile-bearing soil. *E. tetradonta* &
Engelm. p. pambanus on the hill, dense *Pinus* sp.
to 70 ft. *Arceuthobium* sp. 1, *Engelm. p. pambanus*
sp. 2 & other small trees to 20 ft. *Engelm. p. pambanus*
sp. 1242, *Arceuthobium* sp. 12 to 8 ft.
3 *Planchonia* *Engelm. p. pambanus* & *P. pambanus*
sp. to 3 ft. Mixed grasses to 2 ft. some bare
patches. Return.

634.5. Joined airport road.

640.6. Took Andoom fork & then first left.

641.8 Turned right.

643.3 Road joins Andoom road. Return.

643.5 Low closed forest between a swamp
 and *Hydrocotyle* *pinifolia*, *Caloph. trop.*, *Utricularia*, *Myrsine*
 with paper-bark. Sedges, *Eleocharis*, and
Utricularia

brush low forest & sedges near water + (2)

mangroves. Patches of *Thespesia* rank

grasses + sedges before mangroves.

6/5. Flew to Hentelando + collected ^{for 2 hrs}
Thespesia sp. 2, *Senegalia* *cuspidata*, *Acacia* *cornuta*,
 small rainforest from 2ft to 6ft within
 a few minutes (observed). *Pennisetum* *setosum*,
 3 km of station head quarters. Shrub
Caloph. trop. sp.

Species were not numerous, included

Samanea *dentata* (?), *Leptocarpus* *sp.*

a few others, including *Grevillea*

pteridifolia + *G. glauca* (emergent to

12 ft). Ground cover sparse grasses

grasses. Area a gently undulating

savanna plain with cream-coloured

sand ~~to~~ bearing scattered trees.

compositions. Composition of community

very uniform. All species of *Acacia* +

Leptocarpus very sparse.

7/5

716.5 Junction of Andam + airport

roads

717.3. Swamp (*E. hypericifolia* to 5ft) +

Scaevola sp., *Myrsine* sp. 1212, *Myrsine* sp.
forming closed forest merging *Freycinetia*
Myrsine sp.

Cl. *E. leucodonta*, *Erythrophloeum*, ? *Freycinetia*

sp., paperbarks, *Acacia* sp., *Pandanus* sp. 1

(to 15ft), *Banksia dentata* to 20ft,

Livistona to 12ft, *Planchonia*, ^{average} coral

grasses, forbs, some have little *Bemisia*
on *Pandanus* regrowth. *Gesneria*.

717.7. Gentle rise with brown soil +

^{some small trees}
scattered rocks of latite. *E. leucodonta*
occ.

to 50ft w/ *Erythrophloeum*, *Acacia* sp. to 15ft +

occ. other small trees. Regrowth of *Planchonia*

to 8ft, occ. *Livistona* to 4ft, mixed grasses

2-8ft. *Stenos. vitripennis*. Return.

714. Hotel depart.

725. Turned right.

725.7 Turned right.

726.7. Vine scrub on sand behind mangrove

^{*Myrsine japonica*}
on beach. Paperbarks to 50ft, *Freycinetia* sp.

numerous closed forest tree species, occ.

Pandanus, lianes, sometimes dense low

shrubs + passion fruit vines, occ. patches

of an Acanthaceae (?) similar to
 Hypoestes & inhabited by a small
 phanerophytine similar to that from that
 genus in Arnhem Land. No Atractomorpha
 known. Pectitropis, Stenocentropus angust-
iporus. Retusa. (Eustimozus in grass
 fringing road.)

Miscellaneous notes, Urepa: -

The Brantinja appeared to live on
 grass in the young stages & then transfer
 to ? Symphytoria or Planchonia carya in
 later instars. Only one General adult
 was found on grass. The locals all
 say the best time for insects, &
 especially phasmatids, is March.
 One would be able to get about well
 within Urepa & immediate surround
 in that month.

9/5. ^{Sept} Cacktown. The bed from hotel up
 to top of hills, range of hills, *Pentstemon parviflorus*,
 road to top of Gassy Hill. Steep slopes,
Quercus agrifolia, *Erythronium*, *Triglochin virginicum*,
 with granite boulders exposed in
 places, topped with sedimentary at
 upper levels. Coarse granitic sandstone.

E. maculatus, *E. intermedius*, *E. hercynicus*

Erythronium, scattered *Cycas* ^{media} very rare.

Pandanus, see *Alphitonia* to 12 ft, some

Croton glauca to 15 ft, ^{very} 1000. *Ficus*.

Mixed grasses, including a little

Thamnia, & forbs.

Sept 2 Between hotel & Finch Bay. *Pentstemon*

Pentstemon parviflorus, *Thamnia* on a

dry sandy soil, for much of the

distance having *Pentstemon* *melaleuca*

Erythronium sp. & *Cycas* *sinensis*, *Erythronium* *virginicum*

in depression along a small creek. One

other trees, eg. *E. hercynicus*, *Erythronium*

thickly dense grass-forest & herbaceous

shrubs with sec. regrowth of trees; some

very grasses to 2 ft further away from

creek. *Thamnia* on lush grass-forest

much as to grass alone to 15 in.

10/5

Sept 3. Salt marsh flanked on landward side

the paperbark to 40 ft & on seaward side the
Heliotropium *peruvianum*, *Turnera* *guttata*,
manisot. Large stretches of dense grass
 to 9 in. *Stenochloa* *virgata*, *Lygodium*
virgatum, *Pandanus* *sp.* *sp.*

1 ft on mud. Shrub among grass & scattered
Antidesma in taller grass amongst fringes
 of paperbark.

Site 4. West end of old airstrip. *Shrub* *in*
Triglochin *virgatum*, *Turnera* *guttata*, *manisot*,
Samolium & many species of low *Samolium*
virgatum *virgatum* *virgatum* *virgatum* *virgatum*
 on brown mud leading to mangroves. In land
Chytocleus *E. terminalis*, *E. stenochloa*,
 and *Paperbark* *Pentstemon*, *alba*, all to 20
 or 30 ft. *Stenochloa* *virgata*, *Lygodium* *virgatum*,
 1 ft. *Alfalfa* to 12 ft. *Pandanus* *sp.* to 15 ft.
Virgata, *Lygodium* *virgatum*, *Pandanus* *sp.*,
 mixed grasses 1-4 ft & forbs. *Morabane* on
 grasses both short & taller. *Bayonet* on
Pandanus, *Tolgalia* in gutters with succulent
 growth.

Site 5. Gently undulating pale brown soil with
Turnera *guttata*.
E. terminalis, *E. terminalis* & paperbark to 30 ft.
 mixed grasses & forbs 1-4 ft.

11/5

Site 6. *Melaleuca* swamp at foot of mt.
Turnera *guttata*, *Alfalfa* to 30 ft, *manisot*, *Bayonet*,
Paperbark & *E. terminalis* to 40 ft.
Turnera *guttata*, *Alfalfa* *virgata*,
 with ? *lilac* succulent (yellow flowers)

Odometer readings from here to end
are in miles

10

1. 2 ft. & regrowth of *Leucaena* to 2 ft. amongst
other mesophyllous trees. *Thymelaeaceae* & *Urticaceae* in
mixed grasses & forbs. *Thymelaeaceae* dominant.

Thymelaeaceae regrowth & grasses. *Leucaena* in
low regrowth.

Site 7. Keningau Gap. Mesophyllous
forest. *Leucaena* *Thymelaeaceae* *Urticaceae*
forest to east, E. *Leucaena* to 50 ft.
Regrowth.

Acacia sp. to 3 ft. ^{to 10 ft.} *Leucaena* also grasses to
3 ft. *Acacia* shrubs etc. All specimens from

under light forest. *Thymelaeaceae* *Urticaceae* *Thymelaeaceae* *Urticaceae*

Site 8. (repeat) Collected on sand dunes.

Site 8. Forest - cleared, mixed grasses &
Leucaena *Thymelaeaceae* *Urticaceae* *Thymelaeaceae* *Urticaceae*
forbs - 2-4 ft. *Leucaena* near mangrove trees & on
mangrove soil
at terminal.

17.15

56620

Flat with

Site 9. East of Hopewell Mias. *Leucaena* *Thymelaeaceae* *Urticaceae*
Thymelaeaceae *Urticaceae* *Thymelaeaceae* *Urticaceae*
with *Thymelaeaceae* *Urticaceae* (2 spp.) to 40 ft.
Regrowth from 1 ft. Another small tree or

shrub to 25 ft. *Acacia* sp. to 15 ft.

Leucaena *Thymelaeaceae* *Urticaceae* *Thymelaeaceae* *Urticaceae*
Leucaena *Thymelaeaceae* *Urticaceae* *Thymelaeaceae* *Urticaceae*
(2 spp.) to 7 ft. & abundant regrowth

(*Thymelaeaceae* on this), some grass 1-2 ft.

Thymelaeaceae *Urticaceae* *Thymelaeaceae* *Urticaceae*
This community is marginal to heath.

Stenanthus jamaicensis to left, see

Pandanus fragrantis, Triplaris/Platanus
to 2 ft. other hairy grasses, & other plants

Sambucus in Fructu. Macrotona murina.

642.4. Flat with very white sand.

[illegible]

the phloem with occ. E. fortica-pa

3. *Aspergillus* sp. (112) - 1/2

4 through lamp, all to 60 ft. Planchon

Canopy for 13 ft, scattered *Petalostemum* for

34. *Acacia* 76 10 13 14 21

10 ft. across top. 10 1/2 ft. across wing

Scattered *Tridacna* / *Pleurochilus*

Helianthus sp. - Much leaf litter. From

Remains from old of 1-1 P. 1-1

Hamamelis sp. other parts. *Rehmannia*.
Antirrhinum, *Hedysarum*, *Hedysarum*.

Feb. 7. Leggett's Crossing

77.2. Model. degen. 4

77.2 Model deposit.

81.8. Gradually steepening slopes.

small hill, opposite the house.

small calc. quartzite stones to 2 in.
Leptopora sp. in calc. layers all to 30 ft

